

1 / 9

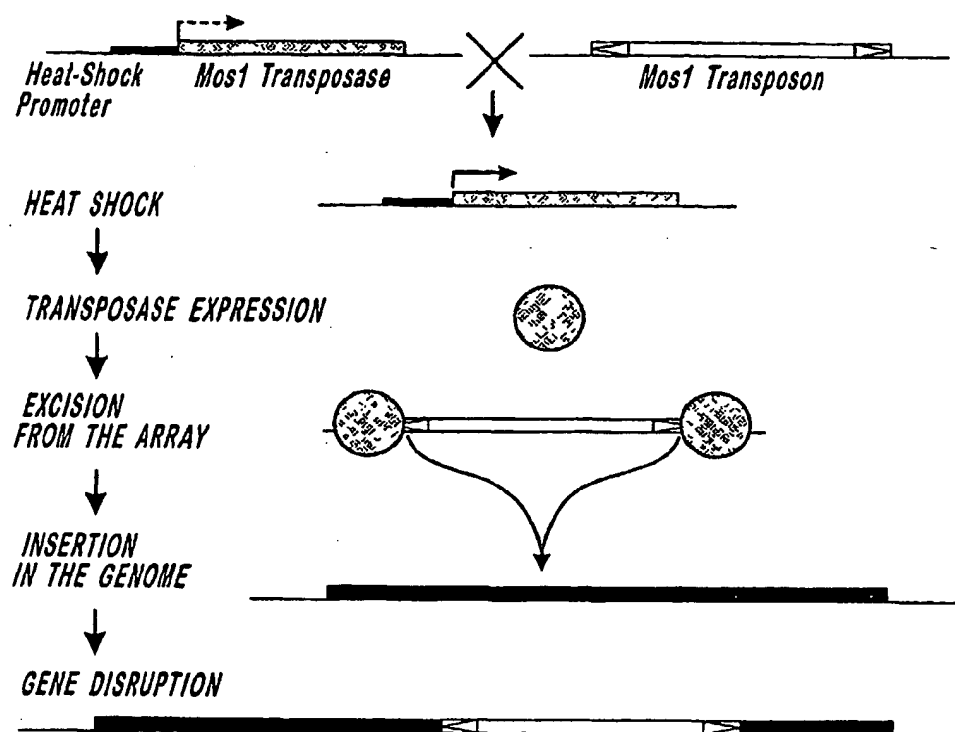


Fig. 1

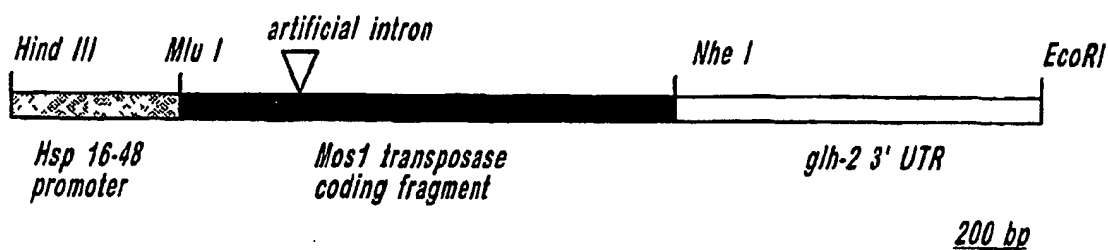


Fig. 2

2 / 9

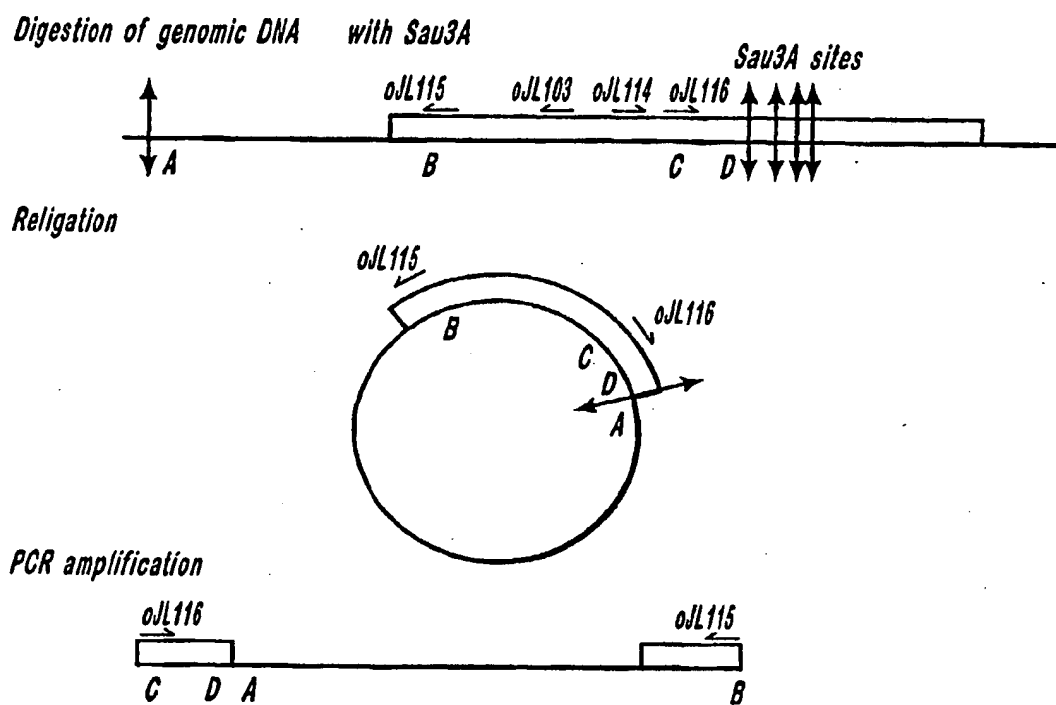


Fig. 3

3 / 9

*(Most left end)*

CAGTCAAGGTTGACACTTACAAGGTCAAAGTTTATGACAATCGATAAATATTACGTT  
TGCGAGACATCTATATGTTGGAACCGACATTCCCTACTTGTACACCTGGtaaatgaaag  
ctggtgacgtggagattacgtcccccgtataaaattattgcgaaatatgcaacgggtggccg  
agaaaaatcccgacccccgtcgaccccaagcaggttgattctccagtgacggtcgatacAA  
CAAAAAGATCCATTTTTCATCTCCAGTAAAGATACGATGCAAAAACGACTTCCTTTTG  
TATCGTGAAAGCAAAAATTTCGCATGTGTTTTTGCGCCCTCTCCATCTGCCCTCT

*Fig. 4*

4 / 9

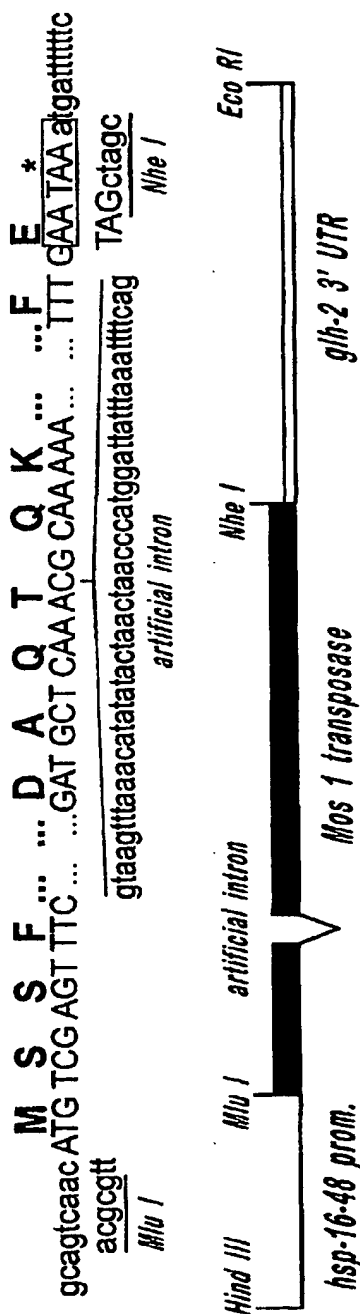


Fig. 5A

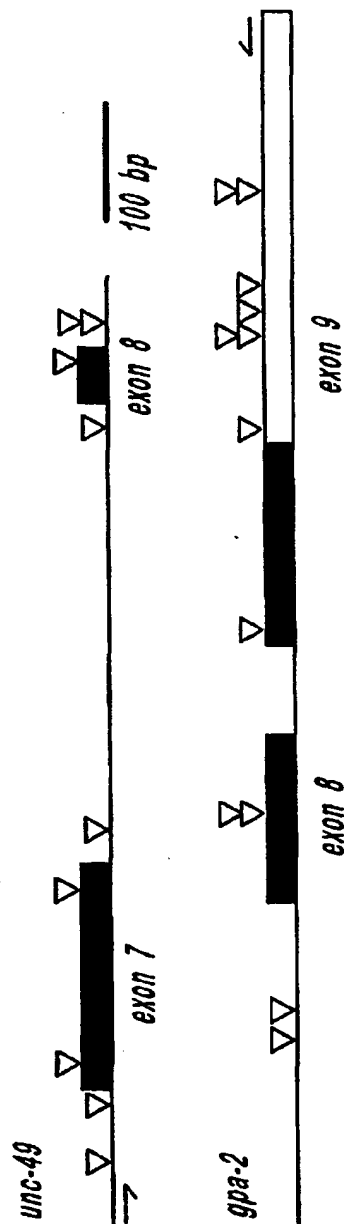


Fig. 5B

5 / 9

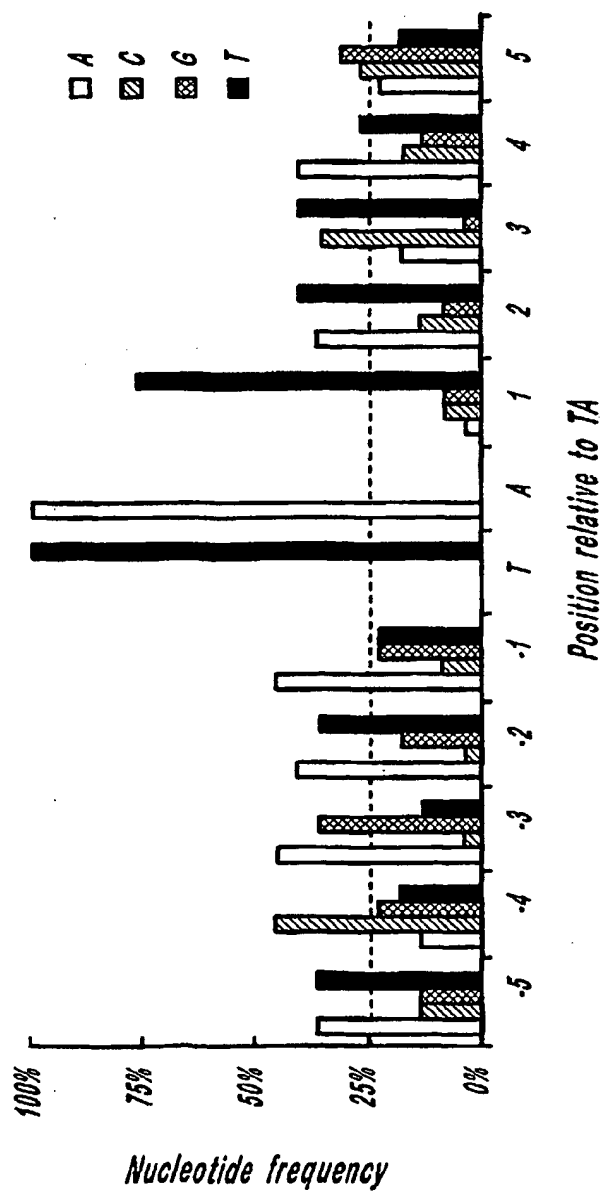


Fig. 5C

6 / 9

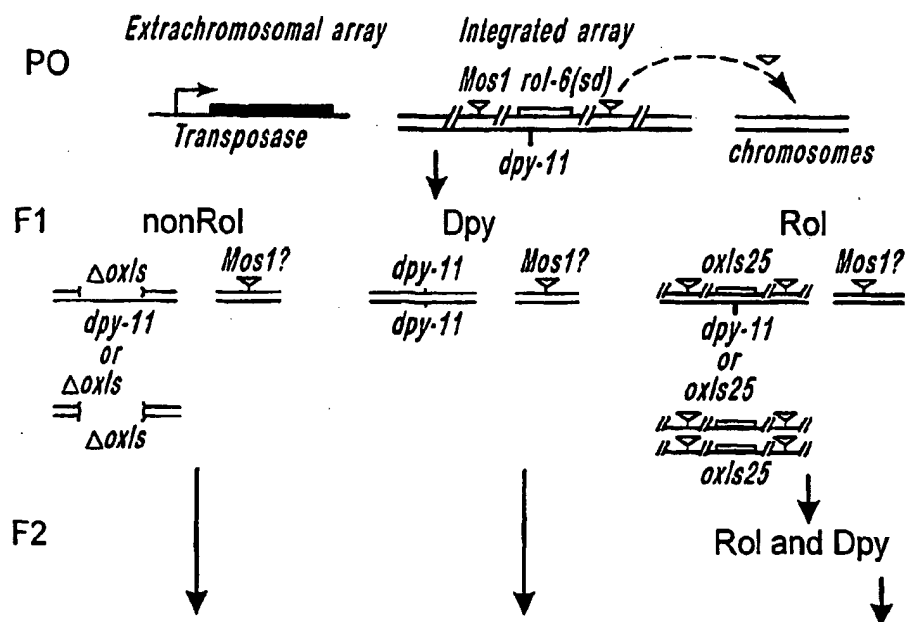


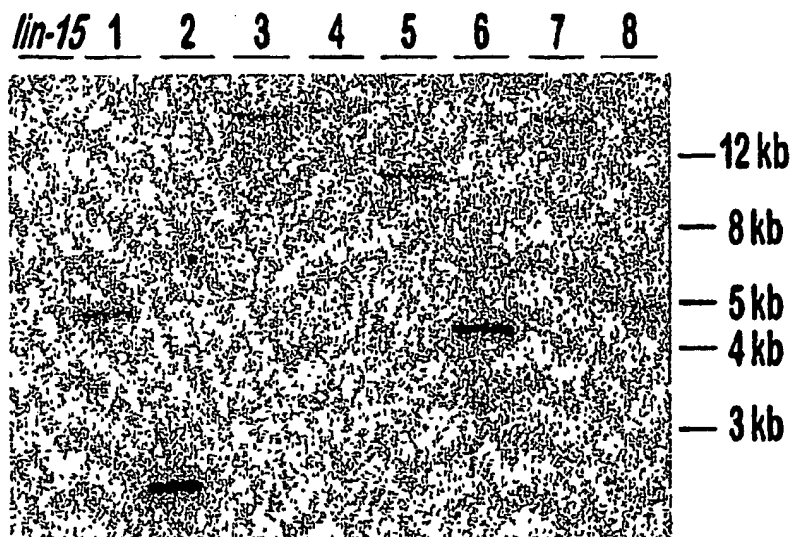
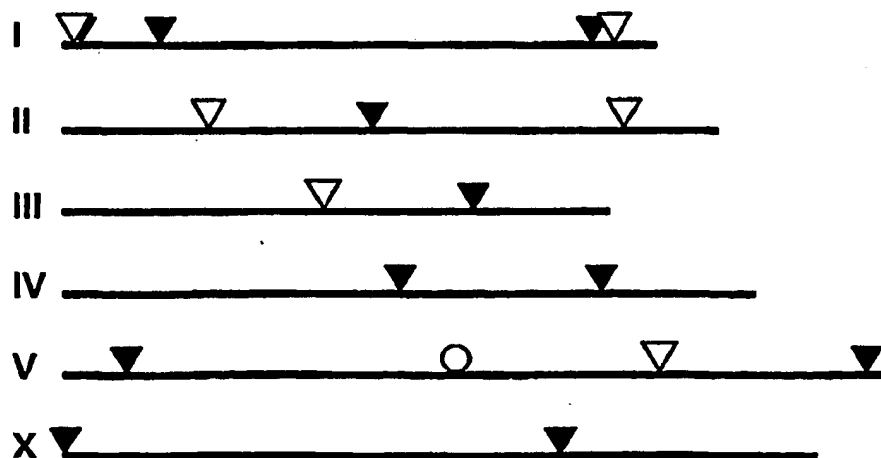
Fig. 6A

Exp'n vector	Exp.	nonRol/ Rols+nonRol	Insertions/ nonRol	Insertions/ F1 Dpys	dpy-11 oxls Recomb./ F1 Dpys	Insertions/ F2 Dpys	dpy-11 oxls Recomb./ F2 Dpys
none		3/691 0.43%	ND	ND	0/92 0%	ND	ND
<i>glh-2</i>	#1	541/4078 13.3%	2/188 1.1%	ND		ND	
	#2	138/651 21.2%	ND	2/39 5%	0/39 0%	2/17 11%	2/19 10%
	#3	250/1191 20.8%	0/39 0%	0/35 0%	2/37 5%	7/25 28%	2/27 7%
	total	929/5920 15.7%	2/227 0.9%	2/74 3%	2/76 3%	9/42 21%	4/46 9%
<i>hsp</i>	#1	4/1048 0.38%*	ND	ND		6/24 25%	4/24 17%
	#2	0/41 0.00%*	ND	0/13 0%	0/13 0%	4/17 23%	0/17 0%
	#3	1/140 0.71%*	ND	7/20 35%	1/20 5%	8/20 40%	3/20 15%
	total	5/1229 0.41%*	ND	7/33 21%	1/33 3%	18/61 30%	7/61 11%

\* number of nonRol progeny does not significantly differ from control lacking a transposase expressing construct (3/691, 0.43%).

Fig. 6B

7 / 9

*Fig. 7A**Fig. 7B*

8 / 9

oxTi1 GTTAGCGACGAGTGACATAccaggtgtac.....gtacacctgaTAATTCTCCGAAAGCTTCAG  
oxTi2 TCGATAAATAAATTATTTTAccaggtgtac.....gtacacctgaTAATTCTATCCAAAAATCGC  
oxTi3 AAAGTAGTGGATGCGATATAccaggtgtac.....gtacacctgaTAATAAGAGAGGCGAAGGAT  
oxTi4 TCCTCTTTCCAGACGAGTAccaggtgtac.....gtacacctgaTATATCCTTTTGTTCCTTGC  
oxTi5 GTCGGACAATCAGAAGTGTAccaggtgtac.....gtacacctgaTAAGAACTAAAGGACACCG  
oxTi6 TTGAACAATAAATACTAATAAccaggtgtac.....gtacacctgaTATTGTTGTCCTCAAGATTT  
oxTi8 GACGCAATAATCCACAATAAccaggtgtac.....gtacacctgaTAATTTCCCGACTCTTACA  
oxTi9 CCCTCTCCAATAGTCTAGTAccaggtgtac.....gtacacctgaTAAATGTCATCAGAATTCA  
oxTi11 ACCAAAGCAAAACACTTAccaggtgtac.....gtacacctgaTAACCAAATGATGGGTGGCA

*Fig. 7C*



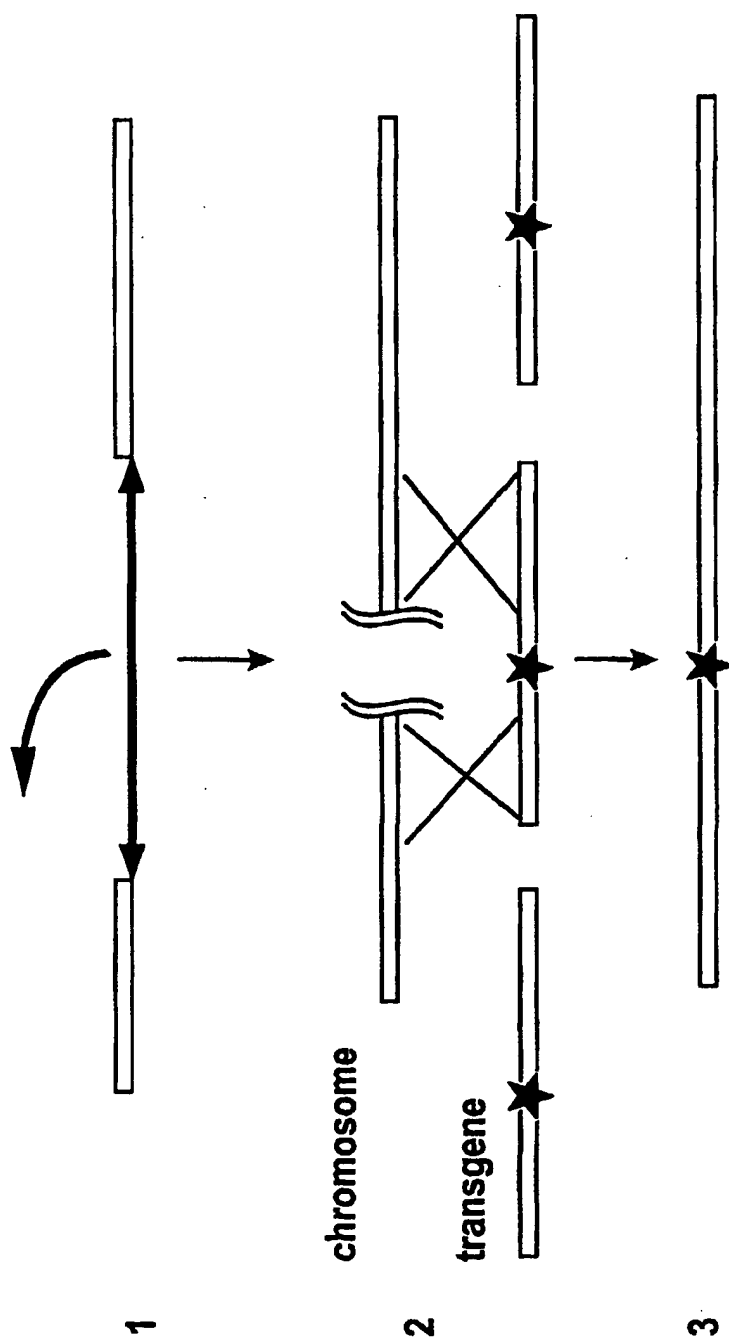


Fig. 8